

**ABSTRACT**

The invention relates to a pharmaceutical compound for antioxidant protection of cells, tissues and entire organism against hyperproduction of free radicals. The inventive compound comprises an effective quantity of at least one antioxidant in the form of a main acting component. Said antioxidant is selected from a group consisting peroxiredoxine, a fragment thereof, dihydrolipoic acid and the combinations thereof with acceptable pharmaceutical additives. The inventive method for preventing and curing mammals consists in contacting the effective quantity of the compound with intercellular space of tissue, organ and entire mammal organism. Low toxicity of the compound makes it possible to increase the efficiency of treatment of multifactor actions on an organism, for example radiation, thermal, chemical burn, wounds and hurts as a result of disasters and fires.